

t41\_borsuk\_7

(TMaikutTAC7RtXbTdn7bR97UwuCrspFGPXr)

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Let  $k30\_valued\_1 : \iota \Rightarrow \iota$  be given. Let  $k9\_borsuk\_7 : \iota$  be given. Let  $k8\_borsuk\_7 : \iota$  be given. Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $v2\_xxreal\_0 : \iota \Rightarrow o$  be given. Let  $np\_1 : \iota$  be given. Let  $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_numbers : \iota$  be given. Let  $k5\_numbers : \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k6\_numbers : \iota$  be given. Let  $v1\_xreal\_0 : \iota \Rightarrow o$  be given. Let  $k4\_euclid\_5 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k11\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $v1\_xcmplx\_0 : \iota \Rightarrow o$  be given. Let  $v1\_xxreal\_0 : \iota \Rightarrow o$  be given. Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $v1\_valued\_0 : \iota \Rightarrow o$  be given. Let  $v3\_valued\_0 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0.(v1\_xboole\_0 X0) \Rightarrow (X0 = k1\_xboole\_0) \quad (1)$$

Assume the following.

$$k30\_valued\_1 k8\_borsuk\_7 = k9\_borsuk\_7 \quad (2)$$

Assume the following.

$$\begin{aligned} & ((v2\_xxreal\_0 np\_1) \wedge (m2\_subset\_1 np\_1 k1\_numbers k5\_numbers)) \wedge \\ & ((m1\_subset\_1 np\_1 k5\_numbers) \wedge (m1\_subset\_1 np\_1 k1\_numbers)) \end{aligned} \quad (3)$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \quad (4)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. ((v1\_xreal\_0 X0) \wedge ((v1\_xreal\_0 \\ & X1) \wedge (v1\_xreal\_0 X2))) \Rightarrow (k4\_euclid\_5 X0 X1 X2 = k11\_finseq\_1 X0 X1 \\ & X2) \end{aligned} \quad (5)$$

Assume the following.

$$\begin{aligned} & \exists X0. (v1\_xboole\_0 X0) \wedge ((v1\_xcmplx\_0 X0) \wedge ((v1\_xxreal\_0 \\ & X0) \wedge (v1\_xreal\_0 X0))) \end{aligned} \quad (6)$$

Assume the following.

$$\forall X0.((v1\_relat\_1 X0) \wedge ((v1\_funct\_1 X0) \wedge (v1\_valued\_0 X0))) \Rightarrow (k30\_valued\_1 (k30\_valued\_1 X0) = X0) \quad (7)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (v1\_relat\_1 (k11\_finseq\_1 X0 X1 X2)) \wedge (v1\_funct\_1 (k11\_finseq\_1 X0 X1 X2)) \quad (8)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. ((v1\_xreal\_0 X0) \wedge ((v1\_xreal\_0 X1) \wedge (v1\_xreal\_0 X2))) \Rightarrow (v3\_valued\_0 (k11\_finseq\_1 X0 X1 X2)) \quad (9)$$

Assume the following.

$$k8\_borsuk\_7 = k4\_euclid\_5 \text{ np\_1 } k6\_numbers \text{ k6\_numbers} \quad (10)$$

Assume the following.

$$\forall X0. ((v1\_relat\_1 X0) \wedge (v3\_valued\_0 X0)) \Rightarrow ((v1\_relat\_1 X0) \wedge (v1\_valued\_0 X0)) \quad (11)$$

Assume the following.

$$\forall X0. (m1\_subset\_1 X0 \text{ k1\_numbers}) \Rightarrow (v1\_xreal\_0 X0) \quad (12)$$

**Theorem 1**  $k30\_valued\_1 \text{ k9\_borsuk\_7} = k8\_borsuk\_7$ .